Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/12/2021 09:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123537	-2	2.94	123605	2.93
Blue	F	SSC	125000	122429	-3	4.84	123004	4.96
Blue	E	FITC	14400	13765	-5	3.36	317	15.02
Blue	D	PE	24713	24246	-2	2.95	555	10.83
Blue	B	PerCP-Cy5-5	31796	31026	-3	4.03	1033	14.44
Blue	A	PE-Cy7	21240	20809	-3	5.96	559	28.54
Red	C	APC	41319	41097	-1	3.53	1721	11.43
Red	A	APC-Cy7	21019	20525	-3	3.83	774	11.33
Violet	B	V450	7305	7066	-4	4.06	444	12.51
Violet	A	V500	28652	27504	-5	3.64	694	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22838	2.89	561	-8	N/A	N/A	Pass
Blue	F	SSC	56927	3.41	516	4	N/A	N/A	Pass
Blue	E	FITC	58	49.42	489	-2	0.0433	0	Pass
Blue	D	PE	117	37.06	487	0	0.4749	377	Pass
Blue	B	PerCP-Cy5-5	190	34.88	582	-2	0.0207	45	Pass
Blue	A	PE-Cy7	110	65.68	628	-2	0.0228	0	Pass
Red	C	APC	398	23.39	574	1	0.0284	141	Pass
Red	A	APC-Cy7	171	27.61	543	-2	0.0072	1676	Pass
Violet	B	V450	61	59.82	451	-5	0.0530	1765	Pass
Violet	A	V500	99	33.84	464	-6	0.0256	780	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.09	-32.00	1.09
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.38	15.99 - 23.99	N/A	N/A	30.37	30.55	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9735

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments